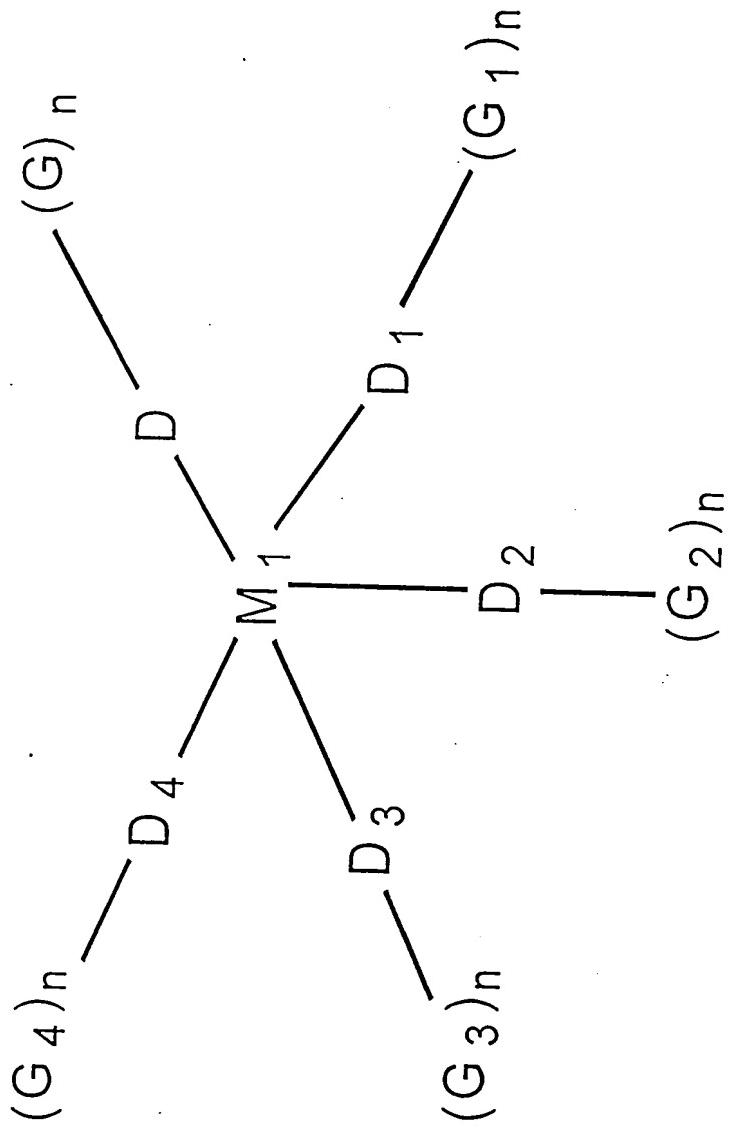


FIGURE 1

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FIGURE 2

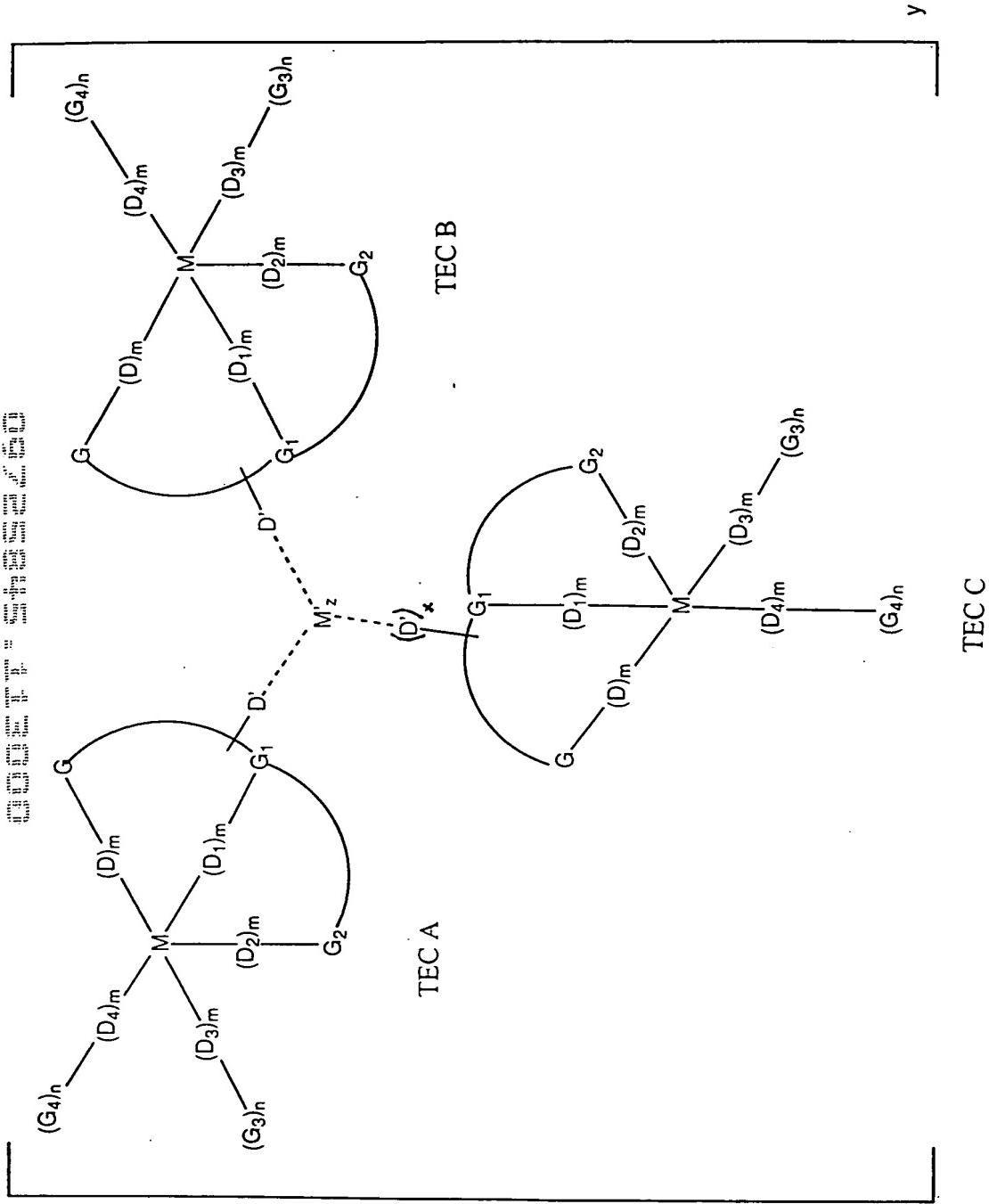
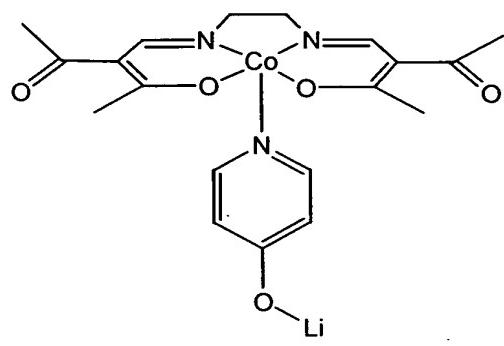
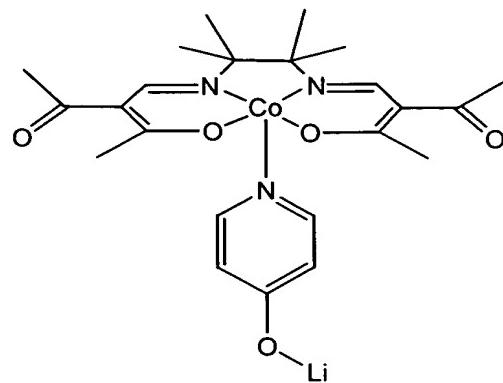


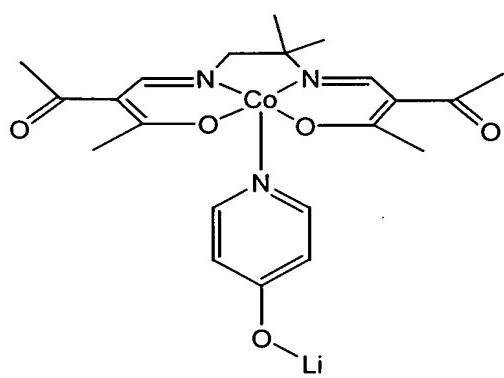
FIGURE 3



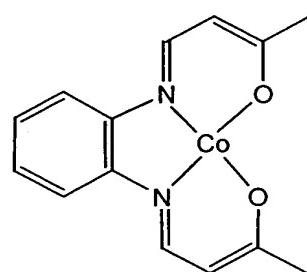
$\text{Co}\{\text{Me}_2\text{Ac}_2\text{H}_2\text{malen}\}(4\text{-PyOLi})$



$\text{Co}\{\text{Me}_2\text{Ac}_2\text{H}_2\text{maltmen}\}(4\text{-PyOLi})$



$\text{Co}\{\text{Me}_2\text{Ac}_2\text{H}_2\text{maldmen}\}(4\text{-PyOLi})$



$\text{Co}\{\text{Me}_2\text{H}_2\text{H}_2\text{malophen}\}$

Figure 4

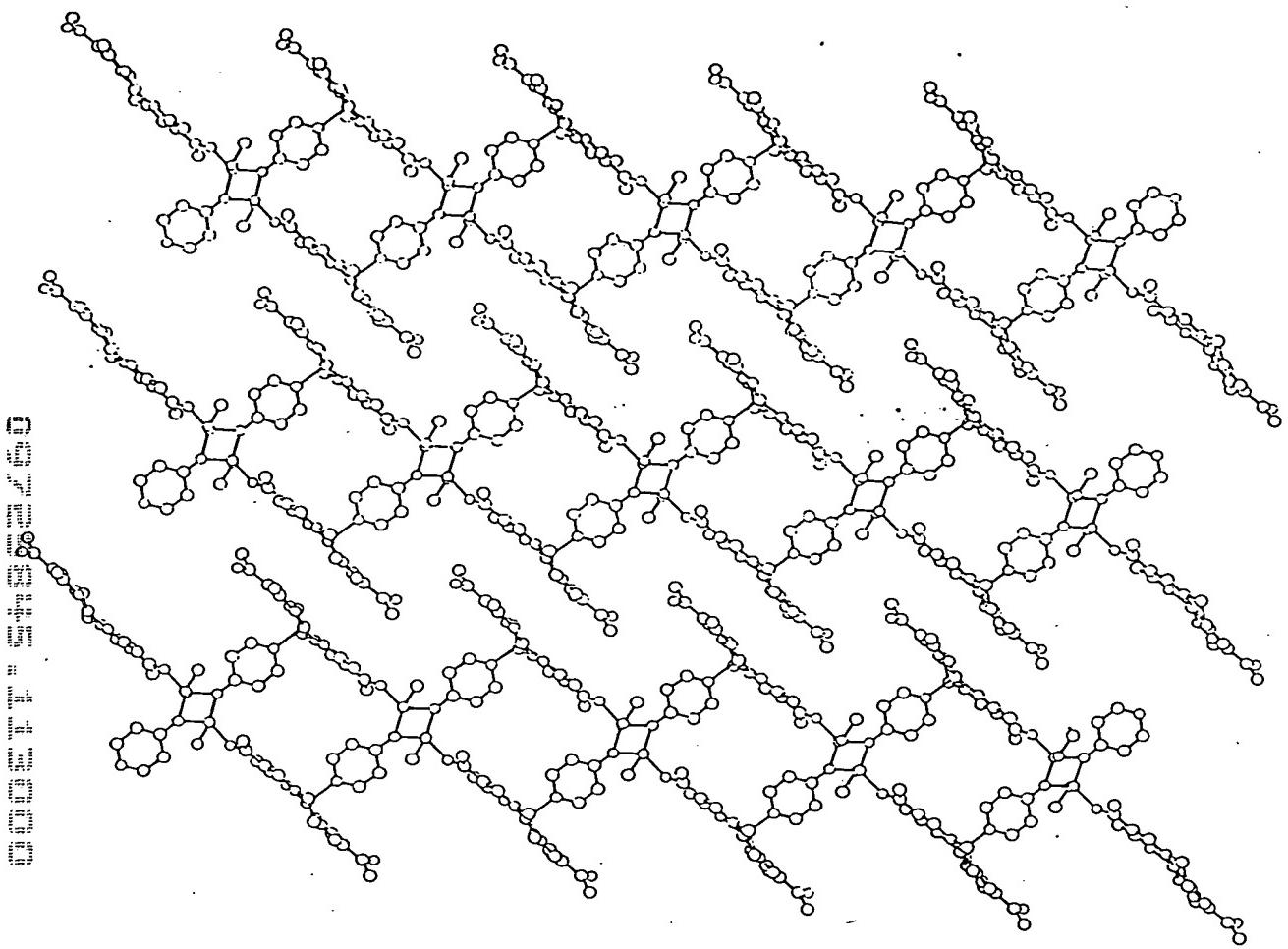


FIGURE 5 CRYSTAL STRUCTURE OF $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{malen})(4\text{-PyOLi})(\text{MeOH})$

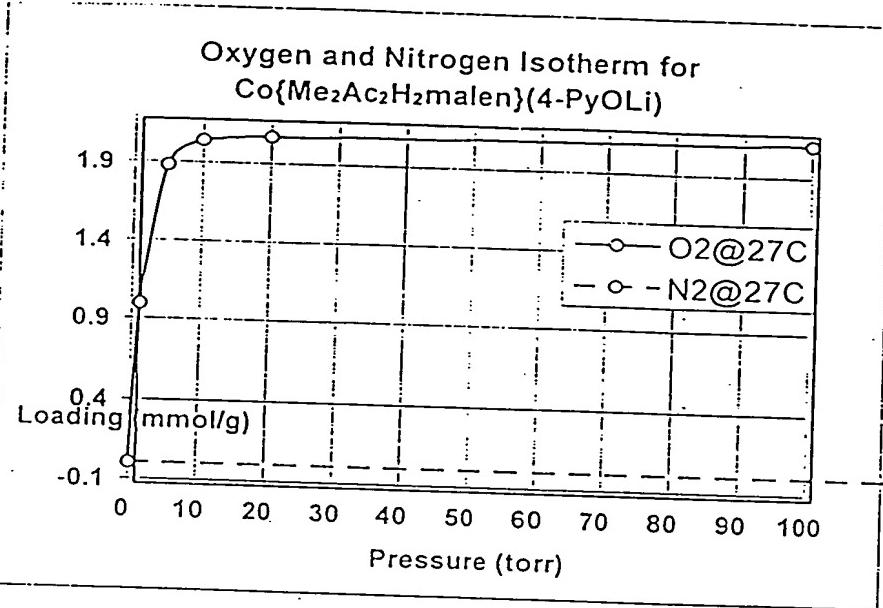


FIGURE 6 OXYGEN AND NITROGEN ISOTHERMS FOR $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{malen})(4\text{-PyOLi})$

Scanned by CamScanner

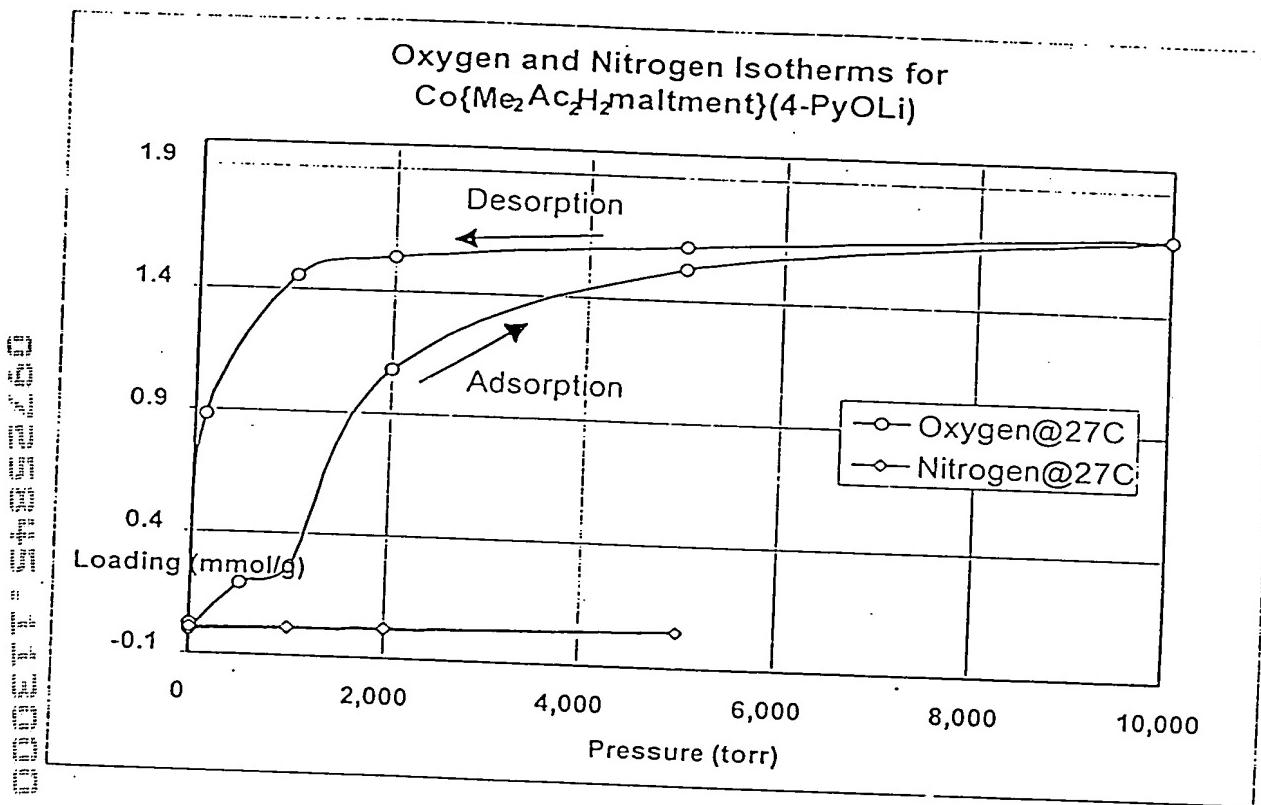


FIGURE 7 NITROGEN & OXYGEN ISOTHERMS FOR $\text{CO}(\text{Me}_2\text{Ac}_2\text{H}_2\text{malen})_2(4\text{-PyOLi})$
AT 27°C

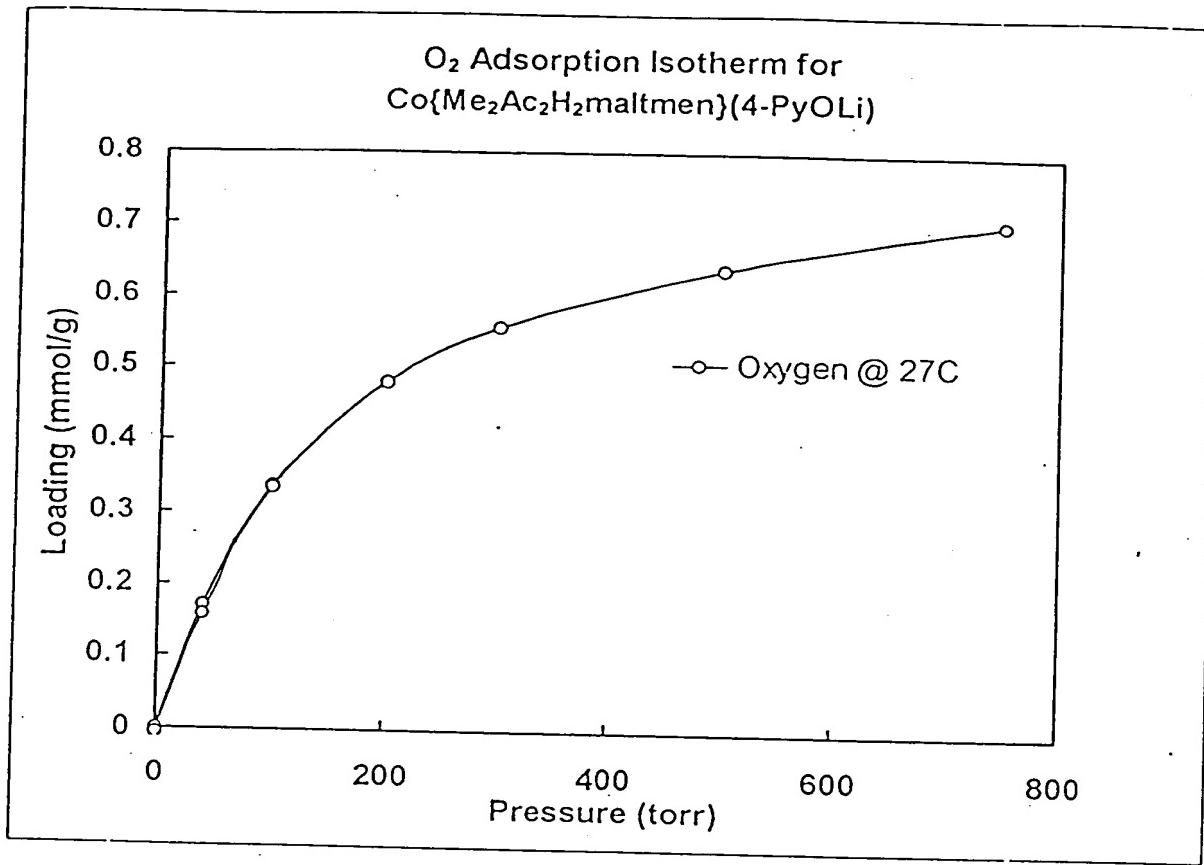


Figure 8 Oxygen Isotherm for Co{Me₂Ac₂H₂maltmen}(4-PyOLi) at 27 °C

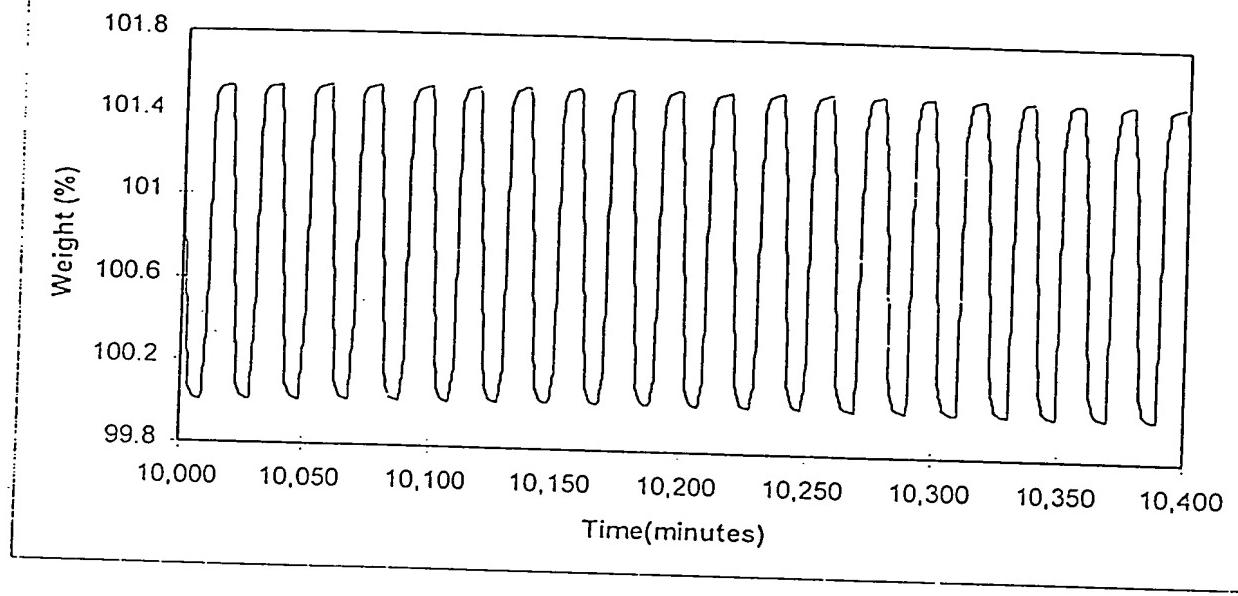


FIGURE 9

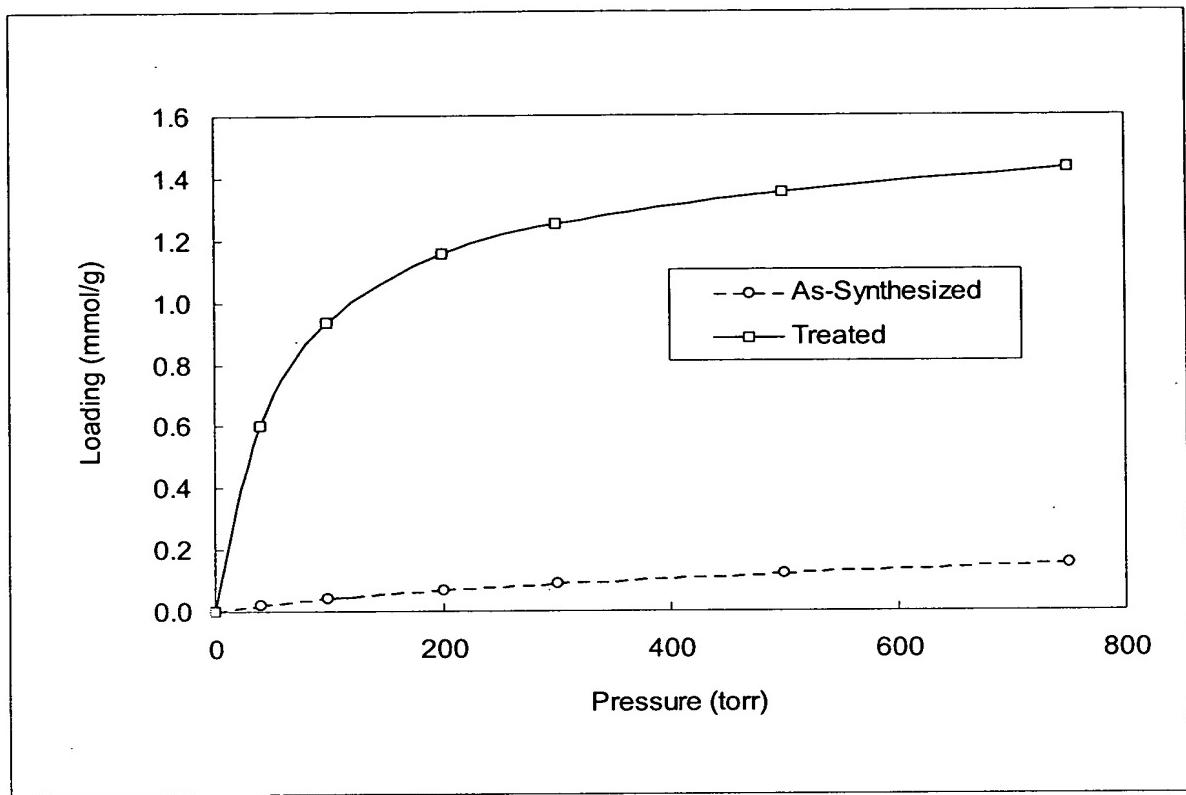


Figure 10. Oxygen Isotherms for As-synthesized and Treated
 $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{maltmen})$ (4-PyOLi)

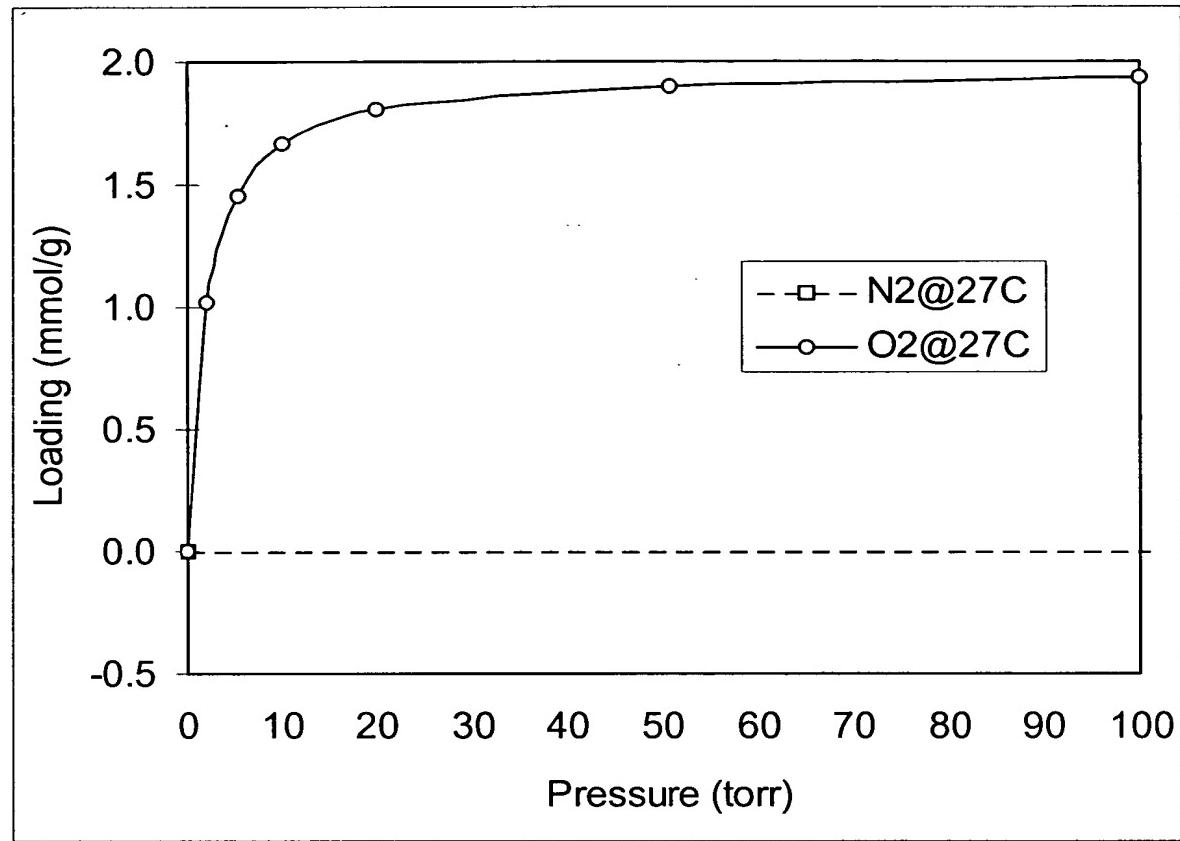


Figure 11. Oxygen and Nitrogen Isotherms for
Co(Me₂Ac₂H₂maldmen) (4-PyOLi)